

FORM PTO-1390 (Modified) U.S. PATENT AND TRADEMARK OFFICE; U.S. DEPARTMENT OF COMMERCE  
(REV. 12-2004)

ATTORNEY'S DOCKET NUMBER

KRO-10302/36

**TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A SUBMISSION UNDER 35 U.S.C. 371**

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)

**10/531826**

INTERNATIONAL APPLICATION NO.  
PCT/DE03/003443

INTERNATIONAL FILING DATE  
17 October 2003

PRIORITY DATE CLAIMED  
18 October 2002

**TITLE OF INVENTION**

**SENSOR MEASURING BY CAPACITANCE AND DETECTION DEVICE FOR THE DETECTION OF AN OBSTRUCTION SITUATION**

**APPLICANT(S) FOR DO/EO/US**

Peter Gutendorf

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

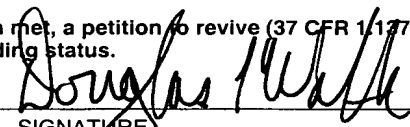
1. ☒ This is a **FIRST** submission of items concerning a submission under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371.
3. ☐ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below.
4. ☒ The US has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371 (c)(2))
  - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
  - b. ☒ has been communicated by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☒ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
  - a. ☒ is attached hereto.
  - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
  - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☒ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).
11. ☐ A copy of the International Preliminary Examination Report (PCT/IPEA/409).
12. ☒ A copy of the International Search Report (PCT/ISA/210).

**Items 13 to 23 below concern document(s) or information included:**

13. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
14. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
15. ☒ A **FIRST** preliminary amendment.
16. ☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
17. ☒ A substitute specification.
18. ☒ A power of attorney and/or change of address letter.
19. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.
20. ☐ A second copy of the published International Application under 35 U.S.C. 154(d)(4).
21. ☐ A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4).
22. ☒ Express Mail Label No. **EV339617429US**
23. ☒ Other items or information:

**Copy of published application  
Return postcard  
Replacement drawing sheets (2)**

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

|   |              |  |                  |   |            |
|---|--------------|--|------------------|---|------------|
| U.S. APPLICATION NO (if known, see 37 CFR 1.5)<br><b>10/531826</b>  |              | INTERNATIONAL APPLICATION NO.<br><b>PCT/DE03/003443</b>                |                  | ATTORNEY'S DOCKET NUMBER<br><b>KRO-10302/36</b>   |            |
| 24. The following fees are submitted:   |              |  |                  | Applicant use   | Office use |
| <input checked="" type="checkbox"/> a) Basic national fee .....   |              | <b>\$300.00</b>  |                  | \$  | \$300.00   |
| <input checked="" type="checkbox"/> b) Examination fee .....  |              | <b>\$200.00</b>  |                  | \$  | \$200.00   |
| <input checked="" type="checkbox"/> c) Search fee .....   |              | <b>\$500.00</b>  |                  | \$  | \$500.00   |
| <b>TOTAL OF ABOVE CALCULATIONS =</b>  |              |  | <b>\$1000.00</b> | \$  | \$1,000.00 |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.  |              |  |                  |   |            |
| Total Sheets  | Extra Sheets | Number of each additional 50 or fraction thereof (round up to a whole) | RATE             |   |            |
| - 100 =   | 0 /50 =      |  | x                | \$  |            |
| Surcharge of <b>\$130.00</b> for furnishing the oath or declaration later than months from the earliest claimed priority date (37 CFR 1.492(e)).  |              |  |                  | \$  | \$130.00   |
| CLAIMS  | NUMBER FILED | NUMBER EXTRA   | RATE             |   |            |
| Total claims  | 10 - 20 =    | 0  | x \$50.00        | \$  | \$0.00     |
| Independent claims  | 2 - 3 =      | 0  | x \$200.00       | \$  | \$0.00     |
| MULTIPLE DEPENDENT CLAIMS (if applicable) <input type="checkbox"/> + \$360.00   |              |  |                  | \$  | \$0.00     |
| <b>TOTAL OF ABOVE CALCULATIONS =</b>  |              |  |                  | \$  | \$1,130.00 |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.  |              |  |                  | \$  | \$0.00     |
| <b>SUBTOTAL =</b>   |              |  |                  | \$  | \$1,130.00 |
| Processing fee of <b>\$130.00</b> for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).  |              |  |                  | \$  | \$0.00     |
| <b>TOTAL NATIONAL FEE =</b>   |              |  |                  | \$  | \$1,130.00 |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property +   |              |  |                  | \$  | \$0.00     |
| <b>TOTAL FEES ENCLOSED =</b>  |              |  |                  | \$  | \$1,130.00 |
| <b>Amount to be refunded:</b>   |              |  |                  | \$  |            |
| <b>Amount to be charged:</b>  |              |  |                  | \$  |            |
| a. <input checked="" type="checkbox"/> A check in the amount of \$ <b>\$1,130.00</b> to cover the above fees is enclosed.<br>b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of _____ to cover the above fees. A duplicate copy of this sheet is _____<br>c. <input checked="" type="checkbox"/> The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <b>07-1180</b> . A duplicate copy of this sheet is enclosed.<br>d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. <b>Credit card information should not be included on this form.</b> Provide credit card information and authorization on PTO-2038. |              |  |                  |   |            |
| <b>NOTE:</b> Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.   |              |  |                  |   |            |
| SEND ALL CORRESPONDENCE TO:<br><b>Douglas L. Wathen</b><br><b>Gifford, Krass, Groh et al</b><br><b>PO Box 7021</b><br><b>Troy, MI 48007-7021</b>  |              |  |                  |   |            |
|   |              |  |                  | <br>SIGNATURE |            |
|   |              |  |                  | <b>Douglas L. Wathen</b><br>NAME  |            |
|   |              |  |                  | <b>41,369</b><br>REGISTRATION NUMBER  |            |